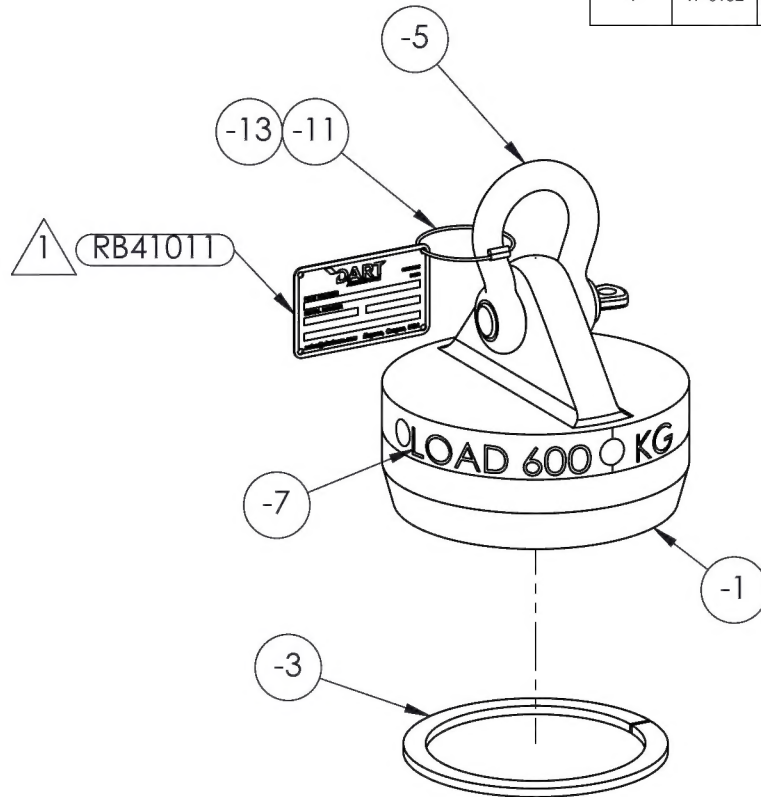


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		SHEET 2, ADDED 2.725 REF DIM. AND EQUALLY SPACED @ 90° CALLOUT. SHEET 3, SLOT FROM .10 TO .070.	2/3/12	JAG	
2	14-0226	UPDATED DWG SHEETS TO DART. -1 ADDED SHERICAL RADIUS 1.00, DELETED 4X R.56 AT BASE OF FLAT. -9 CH'D PLACARD FROM RED BARN PLACARD TO DART PLACARD.	12/22/14	RJC	JAG
3	16-0255	UPDATED TO NEW STANDARDS. CH'D NOTE 1 SHEET 1 WAS SWL 600 KG IS SWL 600 KG / 1325 LBS. CH'D NOTE 2 SHEET 1 WAS TEST TO 1200 KG IS LOAD TEST TO 1200 KG / 2650 LBS. -1 CH'D MATERIAL WAS 4140 IS 4140/4142; ADDED HEAT TREAT; ADDED NOTES. -3 CH'D DIM WAS (.188) IS .19. -7 CH'D SHEET TOLERANCES WAS ±.005/±.01/±.1 IS ±.010/±.03/±.1. -9 DELETED P/N. ADDED WEIGHT TEST SHEET TO DWG.	12/5/2016	SM	JAG
4	17-0132	-1 CH'D NOTE 1 ZINC PLATE SPEC WAS ASTM B633 TYPE II SC 2 IS ASTM B633 TYPE I SC2. -7 CH'D CALL OUT WAS 5/8" LETTERING IS 5/8" ARIAL FONT. ADDED NOTE 3, SHIT 1. -11 CH'D B/O INFO WAS REID #CL2C IS CARR-LANE CL-2-C.	6/2/2017	RJC	JAG



CAGE CODE
3AL64

PART NUMBER
RBW6305G00431-3G

SERIAL NUMBER
S/N _____

DATE TESTED

SWL 600 KG / 1325 LBS

sales@dartaero.com Eugene, Oregon, USA

NOTES:

1. ENGRAVE WITH T/N, S/N, SWL 600 KG/1325 LBS., AND DATE TESTED.
2. LOAD TEST TO 1200 KG / 2650 LBS.
3. OEM REF. T/N: 3G6305G00431.

TITLE
HOISTING FLANGE MGB

DWG NO.
RBW6305G00431-3G

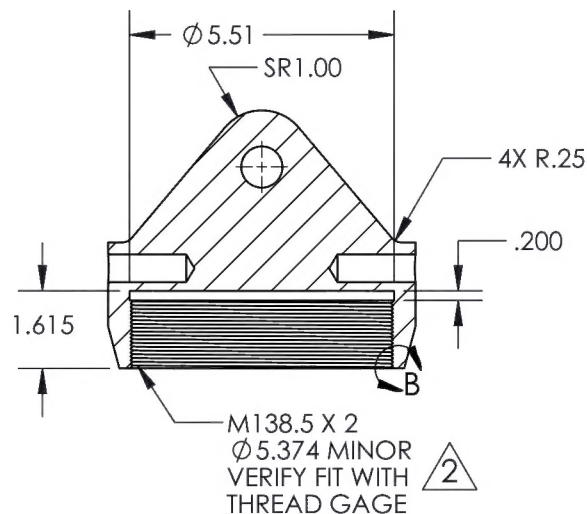
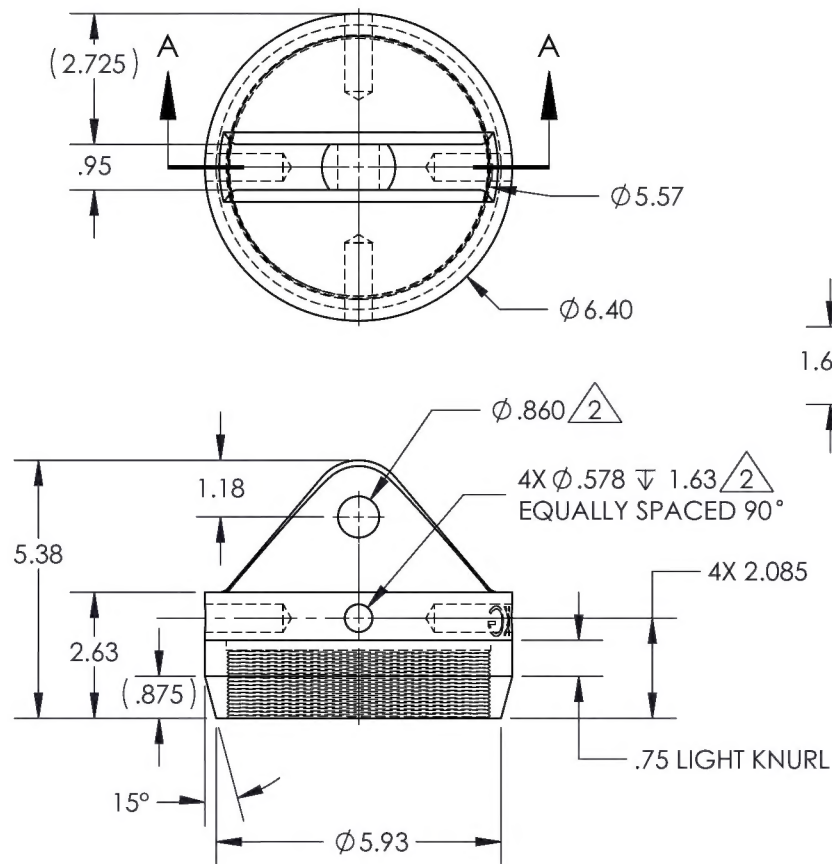
REV
4

MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125°
DRAWN BY:	1. BREAK ALL SHARP EDGES
CHECKED:	.015 x 45° OR .015R
OPPS APPR:	2. DIMENSIONAL LIMITS APPLY
QA APPR:	AFTER PLATING
APPROVED:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE	USED ON MODEL
DATE	AW139
DATE	3/30/2011
DATE	SHEET 1 OF 5

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	FLANGE	4140/4142		2
			-3	1	RING	NYLON		3
		B/O	-5	1	SCREW PIN SHACKLE	STEEL	5/8 (MCMASTER-CARR #3663T43)	1
		B/O	-7	1	LOAD 600 KG	VINYL	BLACK, CUT VINYL (SIGNS NOW)	4
		B/O	-11	1	LANYARD WIRE	STEEL	Ø1/16 X 3 (CARR-LANE #CL2C)	1
		B/O	-13	1	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMASTER-CARR #3896T31)	1
		B/O		1	DART PLACARD	ALUMINUM	RB41011	1

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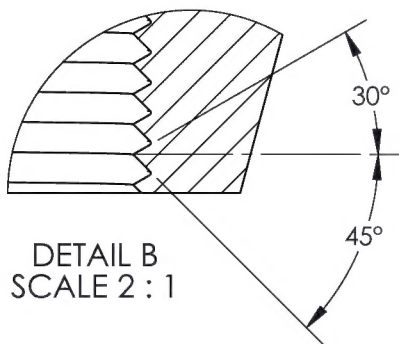
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		ADDED 2.725 REF DIM. AND EQUALLY SPACED @ 90° CALLOUT.	2/3/12	JAG	
2	14-0226	-1 ADDED SPHERICAL RADIUS 1.00, DELETED 4X R.56 AT BASE OF FLAT.	12/22/14	RJC	JAG
3	16-0255	-1 CH'D MATERIAL WAS 4140 IS 4140/4142; ADDED HEAT TREAT; ADDED NOTES.	12/5/2016	SM	JAG
4	17-0132	-1 CH'D NOTE 1 ZINC PLATE SPEC WAS ASTM B633 TYPE II SC 2 IS ASTM B633 TYPE I SC2.	6/2/2017	RJC	JAG



SECTION A-A

NOTES:

- DUAL FINISH
1ST: ZINC PLATE, ASTM B633 TYPE I CLASS SC2.
2ND: POWDER COAT RED
- NO POWDER COAT ON SURFACE.



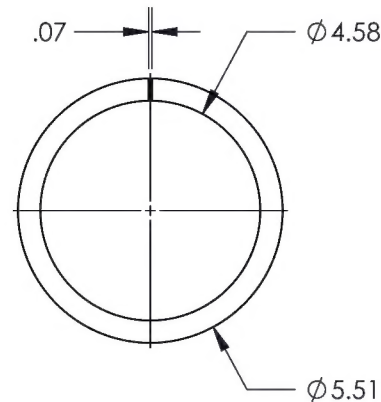
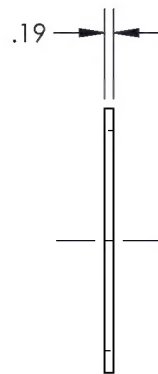
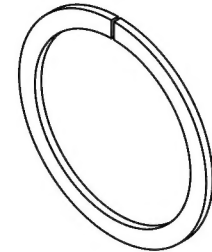
DETAIL B
SCALE 2 : 1

(-1)
FLANGE

DART AEROSPACE	
TITLE HOISTING FLANGE MGB	
DWG NO. RBW6305G00431-3G-1	REV 4
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-34	DIMENSIONS ARE IN INCHES
FINISH SEE NOTE 1	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC	.XX \pm .01 ANGLES \pm 5°
DRAWN BY: GILBERT	.X \pm .1 SURFACES = 125/
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:4	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 3/24/2011	USED ON MODEL
SHEET 2 OF 5	AW139

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		SLOT FROM .10 TO .070.	2/3/12	JAG	
3	16-0255	-3 CH'D DIM WAS (.188) IS .19.	12/5/2016	SM	JAG



(-3)
RING


DART AEROSPACE	
TITLE HOISTING FLANGE MGB	
DWG NO. RBW6305G00431-3G-3	REV 4
MAT'L NYLON	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FEAT TREAT FINISH	.XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AW139
SCALE 1:4	DATE 3/24/2011
SHEET 3 OF 5	

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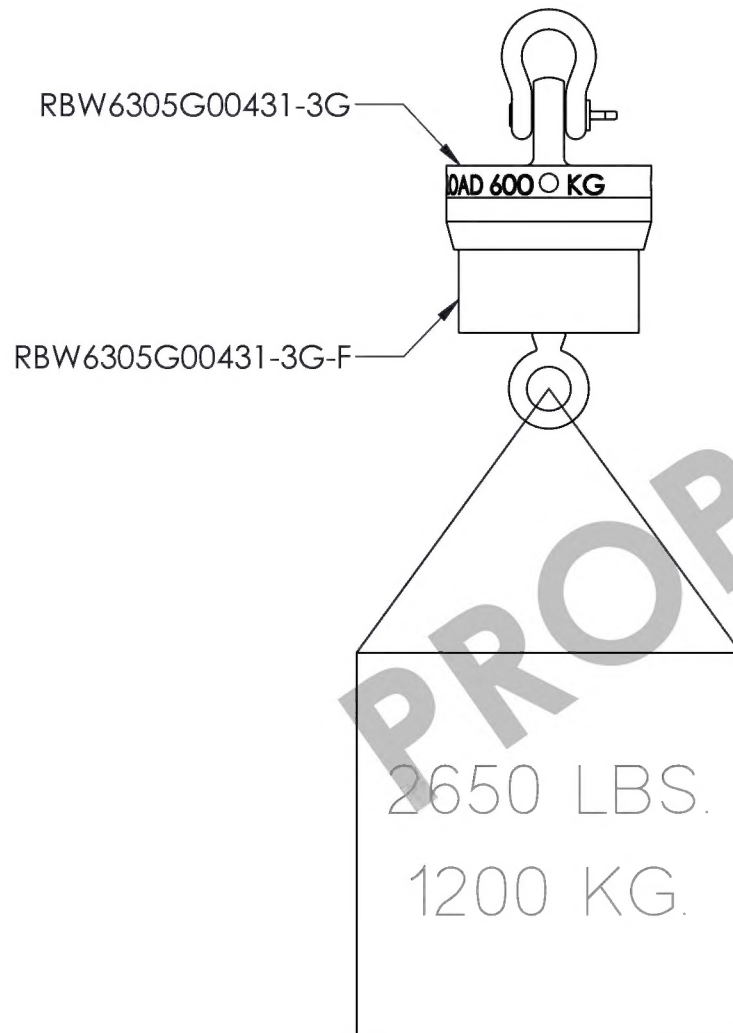
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0255	-7 CH'D SHEET TOLERANCES WAS $\pm.005/\pm.01/\pm.1$ IS $\pm.010/\pm.03/\pm.1$.	12/5/2016	SM	JAG
4	17-0132	-7 CH'D CALL OUT WAS 5/8" LETTERING IS 5/8" ARIAL FONT.	6/2/2017	RJC	JAG

5/8" ARIAL FONT
LOAD 600 KG

(-7)
LOAD 600 KG

	
TITLE HOISTING FLANGE MGB	
DWG NO. RBW6305G00431-3G-7	REV 4
MAT'L VINYL	UNLESS OTHERWISE SPECIFIED
HEAT	DIMENSIONS ARE IN INCHES
TREAT	.XXX \pm .010 FRACTIONS \pm 1/8
FINISH	.XX \pm .03 ANGLES \pm 1°
	.X \pm .1 SURFACES = 125° ✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	AW139
APPROVED: GILBERT	
SCALE 1:4	DATE 3/24/2011
SHEET 4 OF 5	

FIRST ARTICLE WEIGHT TEST




INSPECTION & TESTING PROCEDURES FOR THE RBW6305G00431-3G, HOISTING FLANGE MGB. THIS ASSEMBLY IS DESIGNED FOR HOISTING AND INSTALLING/REMOVING THE AW139 MGB. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE.

REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, PLACE SLING ASSEMBLY ON A OVERHEAD LIFTING DEVICE. ATTACH TEST FIXTURE, RBW6305G00431-3G-F, TO RBW6305G00431-3G AND AN APPROPRIATE TEST WEIGHT OF 1200 KG / 2650 LBS.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR: _____
 TESTER: _____
 S.N.: _____
 DATE: _____

 <p>190 S. Danebo Ave., Eugene, OR. 97402 1-800-556-4166 e-mail: sales@dartaero.com dartaerospace.com</p>			
TITLE			
HOISTING FLANGE MGB			
DWG NO.	REV	CUSTOMER 1 OF 1	
RBW6305G00431-3G	4		
SCALE	DATE	SHEET	
1:6	12/23/2015	5 OF 5	